

Shinji TANAKA, S.N. 10/522,430
Page 2

Dkt. 2271/73765

Listing of Claims

The following listing of claims will replace all prior versions, and listings, of claims in the subject application:

Claims 1-10 (canceled).

11. (new) A liquid-discharge head including an electrostatic actuator which includes a nozzle discharging a liquid drop, a discharge room communicating with the nozzle, a diaphragm having a first electrode forming a wall surface of the discharge room, and a second electrode opposing the first electrode, the diaphragm being deformed by generating an electrostatic force between the first electrode and the second electrode, wherein the liquid-discharge head comprises:

a first separate electrode provided in a vicinity of the first electrode which contacts a portion of the second electrode when the diaphragm is deformed, the first separate electrode being electrically isolated from the first electrode; and

a second separate electrode provided in a vicinity of the second electrode which contacts a portion of the first electrode when the diaphragm is deformed, the second separate electrode being electrically isolated from the second electrode.

12. (new) The liquid-discharge head according to claim 11, wherein the first separate electrode and the second separate electrode are electrically connected to each other.

Shinji TANAKA, S.N. 10/522,430

Dkt. 2271/73765

Page 3

13. (new) The liquid-discharge head according to claim 12, wherein the first separate electrode and the second separate electrode are connected to a ground terminal.

14. (new) A recording device which discharges a liquid drop from the liquid-discharge head according to claim 11, wherein the liquid-discharge head includes a plurality of electrostatic actuators, and the first electrodes of the electrostatic actuators are combined electrically,

wherein the liquid-discharge head comprises a part applying differently polarized potentials to the first electrode and the second electrode upon discharging a liquid drop.

15. (new) The recording device according to claim 14, wherein said part applies a positively polarized potential to the second electrode.

16. (new) A recording device which discharges a liquid drop from the liquid-discharge head according to claim 11, wherein the liquid-discharge head includes a plurality of electrostatic actuators, and the second electrodes of the electrostatic actuators are combined electrically,

wherein the liquid-discharge head comprises a part applying differently polarized potentials to the first electrode and the second electrode upon discharging a liquid drop.

17. (new) The recording device according to claim 16, wherein said part applies a positively polarized potential to the first electrode.

18. (new) The recording device according to claim 14, wherein maximum values of the

Shinji TANAKA, S.N. 10/522,430
Page 4

Dkt. 2271/73765

different polarized potentials applied to the first electrode and the second electrode have substantially equal absolute values. ,

19. (new) The recording device according to claim 14, wherein waveforms of the differently polarized potentials applied to the first electrode and the second electrode are pulse waveforms.

20. (new) An image forming device which records an image by discharging a liquid drop, wherein the image forming device comprises the liquid-discharge head according to claim 11. .